

ABSTRACT OF THE DISCLOSURE

An electrically conductive composition can be obtained that provides an electrically conductive coating having low volume resistivity and high electrical conductivity comparable to that of metallic silver independent of high-temperature film deposition conditions, while also enabling the line width of an electrical circuit to be sufficiently narrow without having to increase thickness in the case of forming an electrical circuit of a flexible circuit board and so forth.

An electrically conductive composition is formed with a composition composed of a particulate silver compound, a reducing agent and optionally a dispersion medium. Silver oxide, silver carbonate or silver acetate and so forth is used for the particulate silver compound. Water or alcohol, for example, is used for the dispersion medium, and ethylene glycol or diethylene glycol and so forth is used for the reducing agent. In addition, the average particle diameter of the particulate silver compound is preferably about 0.01-10 μm .